Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/11/2018 10:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124761	-1	1.87	124587	1.81
Blue	F	SSC	125000	122319	-3	4.33	122687	4.04
Blue	E	FITC	23158	22268	-4	2.81	1036	11.06
Blue	D	PE	31171	30439	-3	2.35	1149	10.53
Blue	B	PerCP-Cy5-5	59762	58419	-3	4.43	1516	17.74
Blue	A	PE-Cy7	57533	56834	-2	7.17	800	37.78
Red	C	APC	69353	68644	-2	2.63	3461	9.50
Red	A	APC-Cy7	66644	66082	-1	4.25	1296	11.25
Violet	B	V450	16327	15874	-3	3.98	854	9.22
Violet	A	V500	62036	60737	-3	3.61	2843	6.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22083	4.34	610	-6	N/A	N/A	Pass
Blue	F	SSC	56082	1.49	560	2	N/A	N/A	Pass
Blue	E	FITC	115	41.59	551	-4	0.0190	152	Pass
Blue	D	PE	192	38.96	555	-2	0.1373	230	Pass
Blue	B	PerCP-Cy5-5	249	46.91	648	-1	0.0088	110	Pass
Blue	A	PE-Cy7	143	94.48	711	2	0.0101	18	Pass
Red	C	APC	498	24.95	607	-3	0.0177	0	Pass
Red	A	APC-Cy7	280	26.29	585	-2	0.0041	1032	Pass
Violet	B	V450	105	44.61	491	-1	0.0455	2475	Pass
Violet	A	V500	251	20.87	510	-1	0.0119	146	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.92	-31.38	0.93
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	18.19	13.60 - 20.40	N/A	N/A	31.02	31.71	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9758

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments